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\* Admitted in TX only  
\*\* Admitted in CT only

May 18, 2004

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Re: U.S. Patent Application No.: 10/027229  
For: *HYBRID CONFINEMENT LAYERS OF BURIED  
HETEROSTRUCTURE SEMICONDUCTOR LASER*  
Inventors: Pakulski, Grzegorz J. *et al.*  
Filed: December 20, 2001  
Our Ref. No.: BTW-019

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form SB-08;
3. Copies of references cited in PTO Form SB-08 (8);
4. A copy of the International Search Report; and
5. A Return Postcard.

Please charge \$180.00 and any other necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450:

5/18/04  
Date  
  
Anthony A. Laurentano, Reg. No. 38,220

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

Anthony A. Laurentano  
Registration No. 38,220  
Attorney for Applicants



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Pakulski, Grzegorz J. *et al.*

Serial No.: 10/027229

Filed: December 20, 2001

For: *HYBRID CONFINEMENT LAYERS OF  
BURIED HETEROSTRUCTURE SEMICONDUCTOR  
LASER*

Attorney Docket No.: BTW-019

Group Art Unit: 2828

Examiner: Vy, Hung T.

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Certificate of First Class Mailing (37 CFR §1.8(a))

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Date of Signature and of Mail Deposit

By:

Anthony A. Laurentano  
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Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

05/21/2004 MBERHE 00000159 120080 10027229  
01 FC:1806 180.00 DA

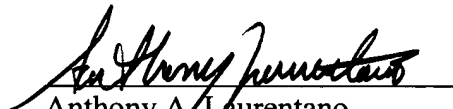
Applicants and their Attorney are aware of the following publications and information cited in an International Search Report dated April 22, 2003 during the prosecution of PCT/GB02/05799, which corresponds to the above-referenced application. Each reference is listed on the attached PTO Form SB-08, and in accordance with 37 CFR §1.97 Applicants hereby submit these publications for the Examiner's consideration. A copy of the Report and each cited publication is enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be

construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

In accordance with 37 CFR §1.97(c)(2) and §1.17(p), please charge the \$180.00 submission fee to our Deposit Order Account No. 12-0080. Please charge any necessary additional fees or credit any overpayments to our Deposit Order Account No. 12-0080.

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

  
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Date: 5/18/04

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Enclosures



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/027229
				Filing Date	December 20, 2001
				First Named Inventor	Pakulski, Grzegorz J.
				Art Unit	2828
				Examiner Name	Vy, Hung T.
Sheet	1	of	1	Attorney Docket Number	BTW-019

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	A1	EP 547850 A1	06/23/1993	The Furukawa Electric Co., Ltd.		
	A2	JP 07-022691	01/24/1995	Mitsubishi Electric Corp.		Abstr.
	A3	JP 10-206808	08/07/1998	Oki Electric Ind. Co., Ltd.		Abstr.
	A4	JP 01-241886	09/26/1989	Nec Corp.		Abstr.
	A5	JP 11-168261	06/22/1999	Mitsui Chem., Inc.		Abstr.
	A6	EP 1225670 A1	07/24/2002	Agilent Techn., Inc.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A7	An "Monolithic integration of ingaasp/inp lasers and heterostructure bipolar transistors by selective area epitaxy." <i>Electronic Letters</i> , 1993;29(8):645-6	
	A8	Pakulski <i>et al.</i> "Semi-insulating buried heterostructure laser with PN fence." <i>Electronic Letters</i> , 2002;38(25):1680-2	
Examiner Signature		Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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